

Form PTO-1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			DOCKET NUMBER (OPTIONAL) ROC920010204US1	APPLICATION NUMBER 10/002,416
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)			APPLICANT GOETZINGER et al.	
			FILING DATE November 1, 2001	GROUP ART UNIT
JAN 28 2002 U.S. PATENT DOCUMENTS				
*Examiner Initials	PTENT & TRADEMARK OFFICE	DOCUMENT NUMBER	DATE	NAME
		AA		
CLASS				
SUBCLASS				
FILING DATE IF APPROPRIATE				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				
MM	AN	U.S. patent application Serial Number 10/004,373, filed November 1, 2001, by William John Goetzinger, Glen Howard Handlogten, James Francis Mikos, and David Alan Norgaard entitled "QoS SCHEDULER AND METHOD FOR IMPLEMENTING PEAK SERVICE DISTANCE USING NEXT PEAK SERVICE TIME VIOLATED INDICATION"		
	AO	U.S. patent application Serial Number 10/004,440, filed November 1, 2001, by William John Goetzinger, Glen Howard Handlogten, James Francis Mikos, and David Alan Norgaard entitled "QoS SCHEDULER AND METHOD FOR IMPLEMENTING QUALITY OF SERVICE WITH CACHED STATUS ARRAY"		
	AP	U.S. patent application Serial Number 10/004,217, filed November 1, 2001, by William John Goetzinger, Glen Howard Handlogten, James Francis Mikos, and David Alan Norgaard entitled "QoS SCHEDULER AND METHOD FOR IMPLEMENTING QUALITY OF SERVICE ANTICIPATING THE END OF A CHAIN OF FLOWS"		
	AQ	U.S. patent application Serial Number 10/016,518, filed November 1, 2001, by William John Goetzinger, Glen Howard Handlogten, James Francis Mikos, and David Alan Norgaard entitled "WEIGHTED FAIR QUEUE HAVING EXTENDED EFFECTIVE RANGE"		
	AR	U.S. patent application Serial Number 10/015,994, filed November 1, 2001, by William John Goetzinger, Glen Howard Handlogten, James Francis Mikos, and David Alan Norgaard entitled "WEIGHTED FAIR QUEUE SERVING PLURAL OUTPUT PORTS"		
	AS	U.S. patent application Serial Number 10/015,760, filed November 1, 2001, by William John Goetzinger, Glen Howard Handlogten, James Francis Mikos, and David Alan Norgaard entitled "WEIGHTED FAIR QUEUE HAVING ADJUSTABLE SCALING FACTOR"		
MM	AT	U.S. patent application Serial Number 10/002,085, filed November 1, 2001, by William John Goetzinger, Glen Howard Handlogten, James Francis Mikos, and David Alan Norgaard entitled "EMPTY INDICATORS FOR WEIGHTED FAIR QUEUES"		
EXAMINER <i>Melanie Mirel</i>			DATE CONSIDERED <i>8/16/05</i>	
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.				

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1 of 1

Application Number.: 10/002,416  
Filing Date: November 1, 2001  
First Named Inventor: William Goetzinger  
Art Unit: 2661  
Examiner Name: Unassigned  
Attorney Docket Number.: ROC920010204US1

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## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	08/16/08
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

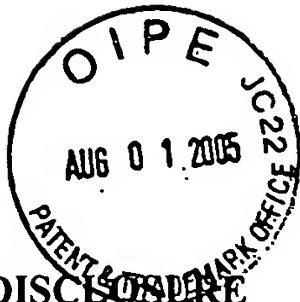
**1** Applicant's unique citation designation number (optional).

<sup>2</sup> Applicant is to place a check mark here if English language translation is attached.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1 of 1

Application Number.: 10/002,416  
Filing Date: November 1, 2001  
First Named Inventor: William J. Goetzinger  
Art Unit: 2661  
Examiner Name: Unassigned  
Attorney Docket Number.: ROC920010204US1

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	<u>Document Number</u> Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns or Lines Where Relevant Passages or Figs. Appear
JLM	/	US 6,721,325 B1	04/13/2004	Brent G. Duckering et al	/
JLM	/	US 6,810,012 B1	10/26/2004	Nanying Yin et al	/
JLM	✓	US2002/0023168A1	02/21/2002	Brian Mitchell Bass et al	✓

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	<u>Foreign Patent Document</u> Country <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns or Lines Where Relevant Passages or Figs. Appear	T <sup>6</sup>

**Examiner Signature**

Malte Mauel

**Date Considered**

8/16/05

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Sheet 1 of 4

Application Number.: 10/002,416  
 Filing Date: November 1, 2001  
 First Named Inventor: William Goetzing  
 Art Unit: 2661  
 Examiner Name: Unsigned  
 Attorney Docket Number.: ROC920010204US1

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PM	AA	US - 5490141A	02/06/1996	Fuyung Lai et al	
WM	AB	US - 5548590A	08/20/1996	Robert H. Grant et al	
WY	AC	US - 5629928A	05/13/1997	Jean Calvignac et al	
WU	AD	US - 5742772A	04/21/1998	Cormac J. Sreenan	
WM	AE	US - 5831971A	11/03/1998	Flavio Bonomi et al	
WV	AF	US - 5844890A	12/01/1998	Gary Scott Delp et al	
WM	AG	US - 5850399A	12/15/1998	Mahesh Ganmukhi et al	
WV	AH	US - 5926459A	07/20/1999	J. Bryan Lyles et al	
WM	AI	US - 5926481A	07/20/1999	Chi-Lung Wang et al	
WM	AJ	US - 5946297A	08/31/1999	Jean Calvignac et al	
WM	AK	US - 5999963A	12/07/1999	John Louis Bruno et al	
WM	AL	US - 6014367A	01/11/2000	Alexander Joffe	
WM	AM	US - 6018527A	01/25/2000	Nanying Yin et al	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Country <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns or Lines Where Relevant Passages or Figs. Appear	T <sup>6</sup>
WM	AN	EP0859492A2	08/19/1998	Duffield et al		X
WM	AO	EP0957602A2	11/17/1999	Darrin Nagy		X
WY	AP	EP0989770A1	03/29/2000	Chugo et al		X
WM	AQ	EP1049352A2	11/02/2000	Goudreau et al		X
WV	AR	EP1061763A2	12/20/2000	Cavendish et al		X
WM	AS	JP2000183886A	06/30/2000	Yamashita	Abstract Only	
WV	AT	JP2000295247A	10/20/2000	Goudoruu et al	Abstract Only	
WV	AU	JP2001007822A	12/20/2000	Cavendish et al	Abstract Only	

Examiner Signature

*Hilary M. Reed*

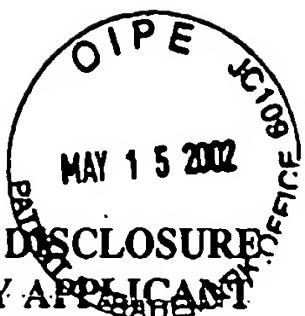
Date Considered

*8/16/03*

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STATEMENT BY APPLICANT**

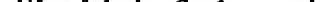
Sheet 2 of 4

Application Number.: 10/002,416 *leg*  
Filing Date: November 1, 2001  
First Named Inventor: William Goetzinger  
Art Unit: 2661  
Examiner Name: Unassigned  
Attorney Docket Number.: ROC920010204US1

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## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and or country where published.	T <sup>2</sup>
<i>JM</i>	AV	U.S. Patent Application Serial No. 10/102,166 filed March 20, 2002, "Method and Apparatus for Improving the Fairness of New	
		Attaches to a Weighted Fair Queue in a Quality of Service (QoS) Scheduler"	

Examiner Signature		Date Considered	
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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTSheet 3 of 4

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MM	BA	US -6028842A	02/22/2000	Alan Chapman et al	/
MM	BB	US -6028843A	02/22/2000	Gary Delp et al	/
MM	BC	US -6031822A	02/28/2000	Eugen Wallmeier	/
MM	BD	US -6038217A	03/14/2000	J. Bryan Lyles	/
MM	BE	US -6041059A	03/21/2000	Alexander Joffe et al	/
MM	BF	US -6064650A	05/16/2000	Christopher Kappler et al	/
MM	BG	US -6064677A	05/16/2000	Christopher Kappler et al	/
MM	BH	US -6072772A	06/06/2000	Anna Charny et al	/
MM	BI	US -6072800A	06/06/2000	Duan-Shin Lee	/
MM	BJ	US -6078953A	06/20/2000	Aseem Vaid et al	↓

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Country <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns or Lines Where Relevant Passages or Figs. Appear	T <sup>6</sup>
MM	BK	WO99/35792A1	07/15/1999	Anna Charny et al	/	X
MM	BL	WO99/53647A2	10/21/1999	Nigel T. Poole et al	/	X
MM	BM	WO99/53648A2	10/21/1999	Cary B. Robins et al	/	X
MM	BN	WO01/20876A1	03/22/2001	Kent D. Benson et al	↓	X

Examiner Signature	<i>Melvin Mae</i>	Date Considered	<i>8/16/08</i>
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Sheet 4 of 4



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MM	CA	US -6092115A	07/18/2000	Abhijit Choudhury et al	
MM	CB	US -6094435A	07/25/2000	Don Hoffman et al	
MM	CC	US - 6101193A	08/08/2000	Yoshihiro Ohba	
MM	CD	US - 6104700A	08/15/2000	Stephen Haddock et al	
MM	CE	US -6108307A	08/22/2000	Stephen McConnell et al	
MM	CF	US -6122673A	09/19/2000	Debashis Basak et al	
MM	CG	US -6144669A	11/07/2000	Stephen J. Williams et al	
MM	CH	US -6157614A	12/05/2000	Eliezer Pasternak et al	
MM	CI	US -6157654A	12/05/2000	Tom Davis	
MM	CJ	US -6169740B1	01/02/2001	Todd D. Morris et al	
MM	CK	US -6188698B1	02/13/2001	Claude Galand et al	
MM	CL	US - 6226267B1	05/01/2001	Barry A. Spinney et al	
MM	CM	US - 6229812B1	05/08/2001	Bidyut Parruck et al	
MM	CN	US - 6229813B1	05/08/2001	Steven W. Buchko et al	
MM	CO	US - 6236647B1	05/22/2001	Carlo Amalfitano	

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Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Country <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns or Lines Where Relevant Passages or Figs. Appear	T <sup>6</sup>

Examiner Signature	<i>MM</i>	Date Considered	<i>8/16/05</i>
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				ROC920010204US1	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		APPLICANT			U.S. PTO 10/002411 11/01/01
		GOETZINGER et al.			
		FILING DATE	GROUP ART UNIT		
		Herewith			

## U.S. PATENT DOCUMENTS

*Examiner Initial		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MM	AA	5,249,184		Woest et al.	/	/	/
MM	AB	6,081,507		Chao et al.	/	/	/
MM	AC	6,157,649		Peirce et al.	/	/	/
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AM						
	AN						
	AO						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MM	AR	Abstract of publication entitled "Design of packet-fair queuing scheduler using a RAM-based searching engine", by HJ Chao et al, IEEE Journal on Selected Areas in Communications, vol. 17, no. 6, pp. 1105-1126, June 1999
	AS	
	AT	

EXAMINER

*Mark Woest*

DATE CONSIDERED

*08/17/05*

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